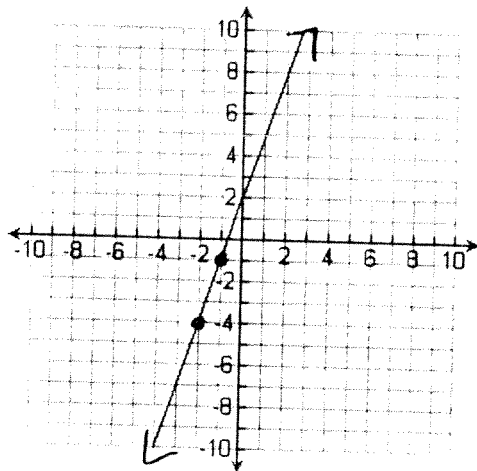


Please complete the following chart.

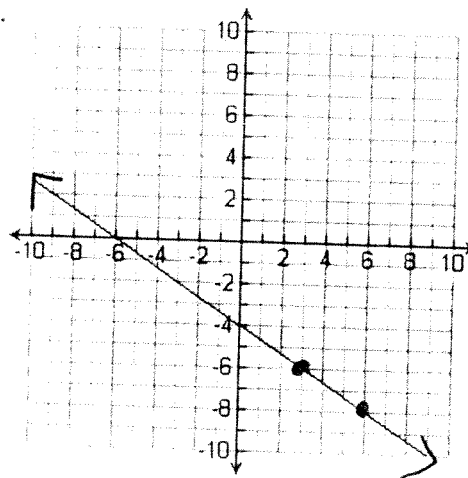
m (slope)	b (y-intercept)	Equation in slope-intercept form
1. a) $\frac{3}{4}$	5	
b) 5	-2	
2. a)		$y = -6x$
b)		$y = 6 - 4x$
c) 0	-6	

- A. Find the slope and y-intercept for each line.
B. Write the equation in slope-intercept form.

3.



4.



3. slope: _____

y-int: _____

eq: _____

4. slope: _____

y-int: _____

eq: _____

Write an equation in slope-intercept form for a line, given its slope and one point.

$$(y = mx + b)$$

5. slope: undefined, (-3, 9)

6. slope: $\frac{1}{2}$, (4, -8)

Write an equation in slope-intercept form for a line, given two points.

7. (-6, -2) and (3, -2)

8. (8, 5) and (3, 4)

ANSWERS

5. _____

6. _____

7. _____

8. _____

9. _____

9. (-6, 3); $m = 0$

Find the equation in slope-intercept form of the line passing through the given point and parallel to the graph of the given equation.

9. $y = 5$ $(-4, 7)$

10. $2x - 6y = 12$ $(9, 2)$

Find the slope of the line perpendicular to the given equation.

11. $y = \frac{3}{2}x + 7$

12. $y = -2x + 5$

Write each equation in standard form.

13. $y = 4(x - 5) + 8$

14. $y = -\frac{5}{3}x + 4$

15. $y = 4x + 2$

16. $y - 2 = -(x - 4)$

ANSWERS

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

17. Write the equation of the line in point-slope form that passes through the point $(3, -4)$ and has a slope of 3. _____

18. Write the equation of the line in standard form that passes through the point $(-5, -4)$ and has a slope of -2. _____

Show All Work !

19. Write the equation in point-slope form of the line that passes through the points $(-2, 3)$ and $(2, -5)$.

20. Write the equation of the line in standard form that passes through the points $(2, -2)$ and $(6, 6)$.
